

DATA EVALUATION REPORT

NAF-313

STUDY TYPES: ACUTE ORAL TOXICITY - RAT (870.1100)
ACUTE DERMAL TOXICITY - RABBIT (870.1200)
ACUTE INHALATION TOXICITY - RAT (870.1300)
PRIMARY EYE IRRITATION - RABBIT (870.2400)
PRIMARY DERMAL IRRITATION - RABBIT (870.2500)
DERMAL SENSITIZATION - GUINEA PIG (870.2600)

SUMMARY: ACUTE TOXICITY ONE-LINERS (870.1100 through 870.2600)

Prepared for

Registration Division
Office of Pesticide Programs
U.S. Environmental Protection Agency
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Arlington, VA 22202

Prepared by

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Disclaimer

This review may have been altered subsequent to the contractor's signatures above.

Oak Ridge National Laboratory, managed by Lockheed Martin Energy Research Corp. for the U.S. Department of Energy under contract number DE-AC05-96OR22464.

DATA REVIEW FOR DERMAL SENSITIZATION TESTING (870.2600, formerly §81-6))

Product Manager: 03
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Contract Reviewer: Susan Chang
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Study Completion Date: December 16, 1997
Study No.: Covance 70600741

Testing Facility: Covance Laboratories Inc.
Author: Glaza, S.M.

Quality Assurance (40 CFR §160.12): Included (p. 4)

Test Material: NAF-313 (11.3% DE-105); Lot F0216-141; ID No. TSN101367; tan liquid

Positive Control Material: 1-Chloro-2,4-dinitrobenzene (DNCB)

Species: Guinea pigs; Albino, Crl:(HA)BR

Age: Approximately 4-8 weeks

Weight: Males: 424-539 g

Source: Charles River Laboratories, Inc., Portage, MI

Method: Buehler (Closed Patch Technique)

Conclusion:

1. **There is no indication that this product is a dermal sensitizer.**
2. **Classification:** Acceptable

Procedure (including deviations from 870.2600): For the induction phase, 0.4 mL of the undiluted test material was applied under occlusion for six hours once each week for three weeks. Guinea pigs were left untreated for two weeks before challenge. The animals were challenged with 0.4 mL of undiluted test material under occlusion at naive sites for 6 hours. A naive control group was treated with 0.4 mL of test material at challenge only. Reactions were scored 24 and 48 hours after induction and challenge.

Results: No reactions (all scores were 0) were noted on any animals following inductions or challenge. The DNCB positive control was tested within six months of the current study. The results were included in the study report and were appropriate.